
CF 2
McGILL

Cam Followers

Unmounted bearing assembly consisting of hardened precision ground inner and outer raceways with either full complement or separated (cage) needle, ball, tapered or cylindrical rolling elements constructed with an integral stud or precision ground bore. Cam follower bearings provide an antifriction solution for translating rotation to linear motion or supporting either pure radial or combination thrust loads depending on the rolling elements types.

Bearing Configurations

Cylindrical, Crowned, V-Groove Or Flanged

Mounting Styles

Eccentric Or Concentric Stud Or Yoke

Outer Roller Diameter Range

1/2” To 10” And 13 mm To 90 mm

Materials

Bearing Quality Steel, Stainless

McGILL® *Inch Cam Follower Bearings*

Cam Follower Selection Guide

		Product Series	Material / Finish	Size Range: Inch	Size Range: Metric
CAMROL		CF	Black Oxide Finish Bearing Steel	1/2 - 10	
		CYR		3/4 - 10	
		CFH		1/2 - 7	
		BCF		1/2 - 4	
		BCYR		3/4 - 4	
		MCF			16 - 90
		MCFR			13 - 90
		MCYR			5 - 50
		MCYRR			5 - 50
Heavy-Duty		CFD	Black Oxide Finish Bearing Steel	1 1/4 - 6	
		CYRD		1 1/4 - 6	
		MCFD			35 - 80
		MCYRD			15 - 50

* For estimating purpose only, individually sizes may vary and are subject to change without notification

McGill CAMROL Cam Followers are available in 400 series stainless steel components for improved resistance to both external and internal corrosion.

CRES CAMROL bearings are dimensionally interchangeable with standard CAMROL® bearings and easily identifiable with "CR" designation.

Design Characteristics					Features							
Radial Load	Thrust Load	Precision	High Speed	Relative Base Cost *	Crowned OD	Eccentric Stud	Lubrication Holes	Seal	Hex Hole	Slotted Face	Jam Nuts	Page No.
●	○	●	◒	$	O	O	S	O	O	S	-	B-15
●	○	◒	◒	$	O	-	S	O	-	-	-	B-39
●	○	◒	◒	$$	O	-	S	O	O	S	-	B-15
◒	○	◒	◒	$	O	O	S	O	O	S	-	B-45
◒	○	◒	◒	$	O	-	S	O	-	-	-	B-57
◒	○	●	◒	$	S	O	S	O	O	S	S	B-69
◒	○	●	◒	$	S	O	S	O	O	S	S	B-69
●	○	◒	◒	$	S	-	S	O	O	-	S	B-91
◒	○	◒	◒	$	S	-	S	O	-	-	S	B-91
◒	◒	●	◒	$$	O	O	O	S	S	-	-	B-103
●	◒	◒	◒	$$	O	-	O	S	-	-	-	B-107
●	◒	◒	◒	$$	S	O	S	-	O	S	S	B-111
●	◒	◒	◒	$$	S	-	S	-	-	-	-	B-115

Circular Track / Misalignment
Load Sharing / Adjustment To Track
Relubrication To Help Promote Bearing Operating Life
Contamination Barrier
Blind Hole Mounting
Allows The Use Of A Lube Fitting When Lubrication From The Flange Side Of Bearing
Accessories Included

O = Optional
S = Standard
○ = Not Recommended

◒ ◒ ◒ ◒ ●

Poor ⟷ Best

McGILL® Inch Cam Follower Bearings

Cam Follower Selection Guide

		Product Series	Material / Finish	Size Range: Inch	Size Range: Metric
Special Duty		SDCF	Black Oxide Finish Bearing Steel	1 - 4	
		SDMCF			25 - 100
TRAKROL		PCF	Black Oxide Finish Bearing Steel	1 1/2 - 9	
		PCYR		3 - 6	
		FCF		1 1/2 - 9	
		FCYR		3 - 6	
		VCF		2 1/2 - 8 1/2	
		VCYR		3 1/2 - 7 1/2	

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◒	○	●	◒	$$$	O	O	-	S	S	-	S	B-123
◒	○	●	◒	$$$	O	O	-	S	S	-	S	B-125
◒	◒	◒	◒	$$	O	O	-	S	-	-	O	B-131
◒	◒	◒	◒	$$	O	-	-	S	S	-	-	B-133
◒	◒	◒	◒	$$$	-	O	-	S	S	-	O	B-135
◒	◒	◒	◒	$$	-	-	-	S	-	-	-	B-137
◒	◒	◒	◒	$$	-	O	-	S	S	-	O	B-139
◒	◒	◒	◒	$$	-	-	-	S	-	-	-	B-141

Circular Track / Misalignment
Load Sharing / Adjustment To Track
Relubrication And Promote Bearing Life
Contamination Barrier
Blind Hole Mounting
Allows The Use Of A Lube Fitting When Lubrication From The Flange Side Of Bearing
Accessories Included

O = Optional
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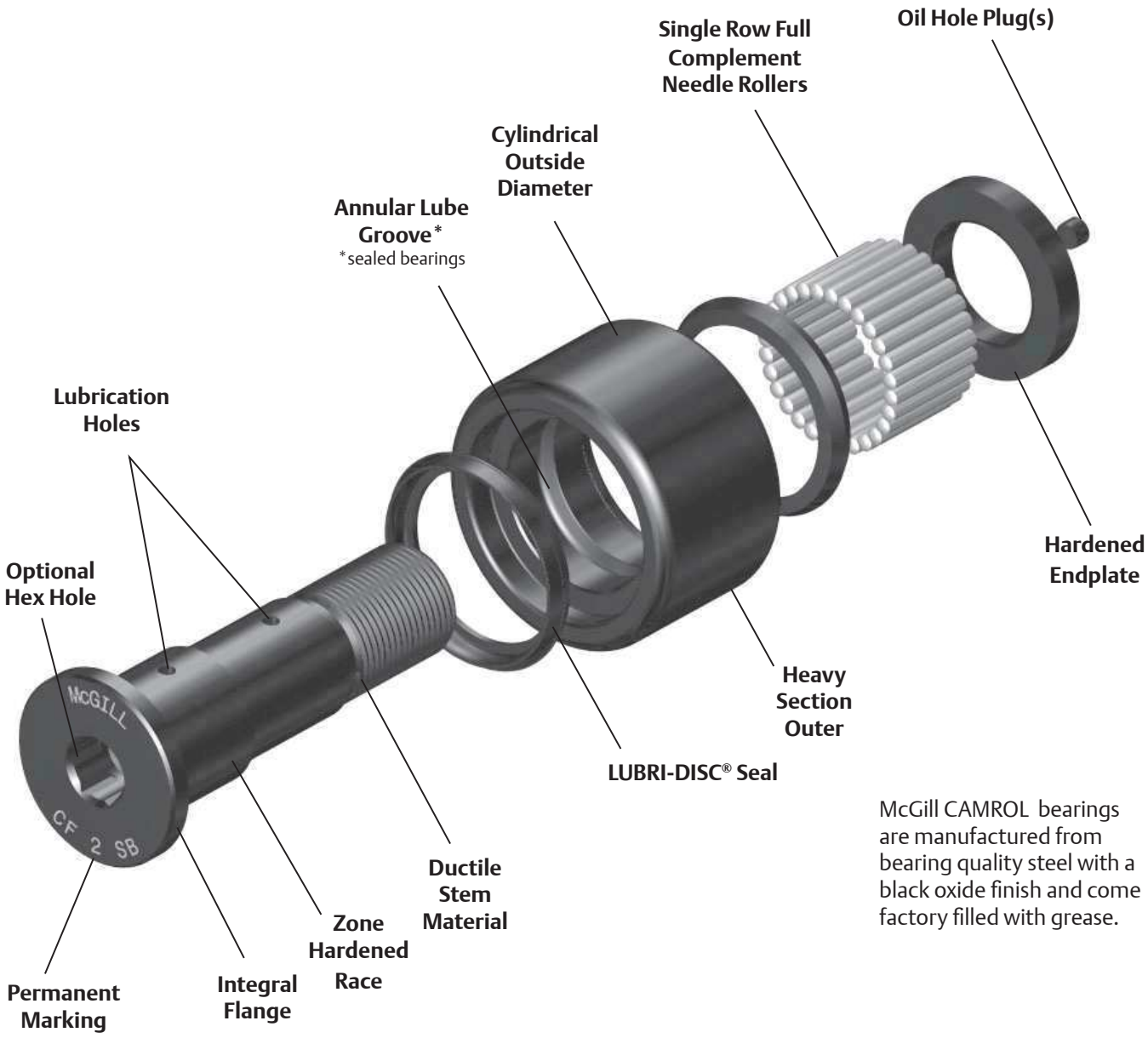
○ = Not Recommended
◒ ◒ ◒ ◒ ●
Poor ⟷ Best

* For estimating purpose only, individual costs may vary and are subject to change without notification

McGill Inch Cam Followers

McGill CAMROL bearings are full complement needle bearings feature black oxide treated bearing steel, available in two basic mounting styles for use in mechanical automation or linear motion applications. Our basic features each contribute to improved performance, while the LUBRI-DISC® seal option helps prevent metal to metal contact within the bearing while providing a barrier for contaminant entry and allow venting of excess or old grease during relubrication. In addition to the seal option these bearings are available with several dimensional choices and combinations to provide a specific solution for the application. Within the following section you can learn more about these features and how they can be applied to your application.



McGill CAMROL bearings are manufactured from bearing quality steel with a black oxide finish and come factory filled with grease.

Cam Follower Inch Nomenclature

C CF E - 1 1/2 - SB

Optional Prefix
- B - Bushing (No Rolling Elements)
- C - Crowned O.D.

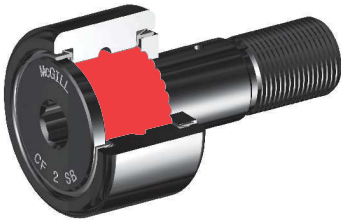
Basic Type, Construction
- CF - Cam Follower
- CYR - Cam Yoke Roller
- CFH - Heavy Stud Cam Follower

Construction Suffix
- E - Eccentric Bushing (Std Stud Only)

Size
- Inch Series: O.D. In Inches

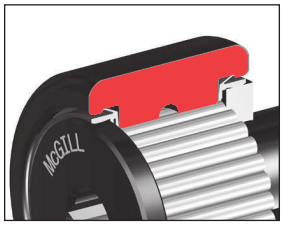
Optional Suffix
- N - Narrow Roller Width (1/2 & 5/8 Sizes Only)
- S - LUBRI-DISC® Seal
- B - Hex Hole
- CR - Corrosion Resistant (400 Series CRES)

Features and Benefits



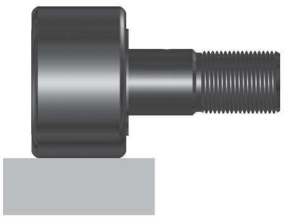
Single Row Full Complement Needle Rollers

The needle roller diameter, length, and number have been optimized to provide a high dynamic and static load rating, contained within industry standard bearing envelope dimensions.



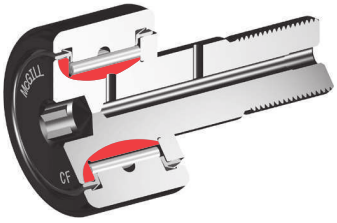
Heavy Section Outer

The heavy section outer helps support radial loading and provide proper rolling element support.



Cylindrical Outside Diameter (OD)

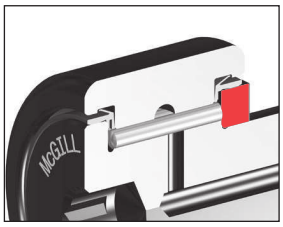
The cylindrical OD can improve performance in certain applications such as improved track capacity by maximizing the contact area with the track.



Zone Hardened Raceways

Heat treatment used to precisely harden working surfaces of the raceway and flange. The hardened surfaces provide support for the rolling element contact stresses, while keeping the core of the inner ductile to help absorb shock loads.

Features and Benefits continued

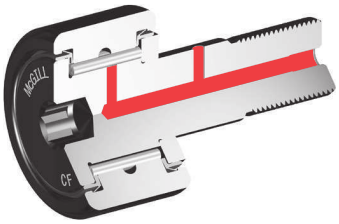


Hardened Endplate

Similar to the flange, the endplate must provide a seal surface for the LUBRI-DISC seal and resist wear from incidental contact with the outer or rollers. The hardened and ground endplate provides a sealing surface with LUBRI-DISC® seal option.

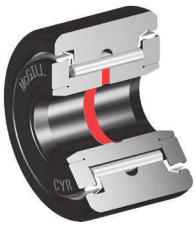
Factory Grease Fill

The cam follower and cam yoke roller bearings are factory lubricated with a medium temperature grease. Contact Application Engineering when application conditions require special lubricants.



Lubrication Holes

Depending on mounting option, McGill stud type CAMROL bearings may include a lubrication hole to accept a standard drive fitting or an included oil hole plug. The oil hole plug is recommended for closing unused holes to help protect against bearing contamination or lubrication loss.



Yoke Roller Lubrication Hole with Annular groove

McGill CAMROL Yoke roller bearings include a lubrication hole to provide a passage for lubrication to the rolling elements from the yoke roller bore. The customer supplied shaft must provide axial lubrication path to supply bearing. An annular groove in the inner ring bore helps direct lubricant to the hole, making alignment of the shaft and the inner ring holes less critical.

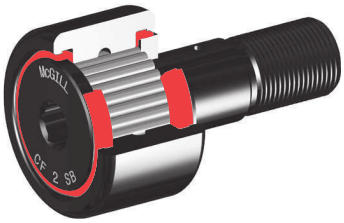
Oil Hole Plug (s)

All McGill stud type Cam followers include 1-2 (depending on # of holes) oil hole plugs to help provide proper lubrication path to the rolling elements and prevent contamination from entering the bearing through an unused oil hole.

Options

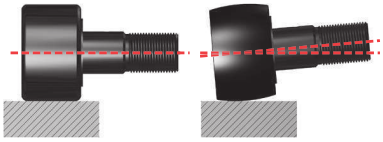
Black Oxide Finish

Bearings have a black oxide finish on all external surfaces.



LUBRI-DISC® Seal

The CAMROL standard for seals, the LUBRI-DISC seal helps keep contaminants out and lubrication in the bearing, with an integral back plate to separate the metal to metal contact between the outer ring and endplate(s) or flange. The back plate feature reduces friction resulting in lower operating temperatures which can extend grease life and allowing for higher operating speeds. The seal also includes vents to help prevent seal blowout during relubrication, while the outer raceway is machined with a reservoir for additional lubricant capacity. The LUBRI-DISC seal option has a good balance of sealing, lubricant capacity, and low drag operation essential to a precision cam follower suited for most industrial applications.



Crowned Outside Diameter (OD)

A crown on the OD of a cam follower bearing can increase bearing life versus a standard cylindrical cam follower. The crown achieves this performance by helping to distribute the stress on the outer ring and rolling elements resulting from misalignment due to mounting inaccuracy or stud deflection. The crown also helps reduce outer skidding in turntable or rotary applications. Not all applications may see the benefit of a crowned OD, consult Application Engineering for guidance for your application.

Heavy Stud Diameter

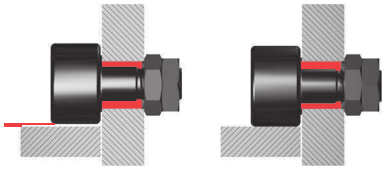
The increase stem diameter of heavy stud cam followers increases static load capacity of the bearing due to the larger stud diameter. The increase in diameter reduces the amount of deflection that can occur when cam followers are radial loaded. The resultant increase allows a maximum recommended loading of 50% BDR.

*On Heavy-Stud Type Bearings, CFH inch series only

Options continued

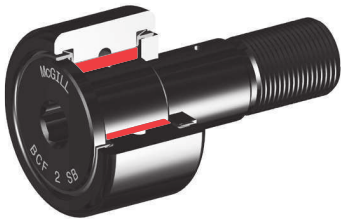
Hex Hole (Broached)

The hex hole can aide in the installation and removal of stud type cam followers by increasing the holding power over a standard screw driver slot. The hex feature is identified with a “B” since it is produced using a broach process. Bearing relubrication from flange end must be considered for sizes under 3”.



Eccentric Stud

Eccentric stud option provides a means of adjusting the radial position of the bearing which can improve the load sharing of inline bearing combinations. Cam follower load sharing helps reduce operation costs by reducing premature failures due to overloaded bearings, the need of precise mounting hole location tolerances and providing ability to realign bearing due to track wear. Eccentric bushing is press fit on stud and unhardened to permit dowel or setscrew for permanent locking.



Bushing Type

Non-Metallic bushing provides load support with a sliding motion that reduces the need for bearing lubrication for non-food applications where relubrication is not convenient or grease contamination in the process is not acceptable. Max allowable continuous operating temperature up to 200°F. Bushing CAMROL bearings are intended to be used in the self lubricated mode. However, continuous feed oil lubrication can be used to provide reduced wear rates. Grease lubrication should not be used.

Corrosion Resistance

McGill CAMROL Cam Followers are available in 400 series corrosion resistant components for improved resistance to both external and internal corrosion. CRES CAMROL bearings are dimensionally interchangeable with standard CAMROL® bearings and easily identifiable with "CR" designation. Please see page K-3 for more information and availability.

Additional Options

BHT

Hex hole at threaded end of cam follower stud.

THT

Threaded axial lubrication hole at threaded end of cam follower stud.

THF

Threaded axial lubrication hole at flanged end of cam follower stud. Available with all screw driver slot cam followers or broached cam followers over 3”.

THB

Threaded axial oil hole on both ends of cam follower stud. Available with all screw driver slot cam followers or broached cam followers over 3”.

ALG

Annular lubrication groove at cam follower stud radial lubrication hole.

Custom Capabilities

- *Customer specified factory grease fill*
- *Grease fitting installed*
- *Stud or thread length modifications*
- *Roller diameter variations or tolerances*
- *Cam followers grouped or matched diameter tolerance / run out sets*
- *Custom engineered to order designs*

McGILL® Inch Cam Follower Bearings

Basic Construction Type: Yoke Type Crowned / Cylindrical Outside Diameter

Rolling Elements: Non-Metallic Bushing

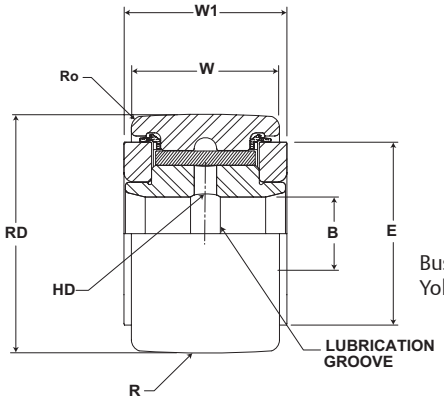
Bearing Material: Bearing Quality Steel

Seal Type: LUBRI-DISC®

Lubrication: None - Self Lubricating Bushing

System Configuration: Concentric / Eccentric / Heavy Stud

Mounting Feature: Slot / Hex Hole



Bushing Cam Yoke Roller

BCYR

Part No.	RD		W		B		W1	R	Track Roller Dynamic Rating	Track Roller Static Rating
With LUBRI-DISC Seals	Roller Diameter		Roller Width		Bore Diameter		Endplate Extension	Crown Prefix BCCYR-XX		
	inch mm		inch mm		inch mm		inch mm		lb/N	lb/N
	Nom.	Tol.	Nom.	Tol.	Nom	Tol	(Ref)	Radius		
BCYR 3/4 S	.750 19.05	+0/-.001 +0/-.03	.500 12.70	+0/-.001 +0/-.03	.250 6.35	+.0002/-.0004 +.0005/-.0010	.56 14.3	Cylindrical	See Load-Speed Chart	
BCCYR 3/4 S								10 254		
BCYR 7/8 S	.875 22.23	+0/-.001 +0/-.03	.500 12.70	+0/-.001 +0/-.03	.250 6.35	+.0002/-.0004 +.0005/-.0010	.56 14.3	Cylindrical	See Load-Speed Chart	
BCCYR 7/8 S								10 254		
BCYR 1 S	1.000 25.40	+0/-.001 +0/-.03	.625 15.88	+0/-.001 +0/-.03	.313 7.94	+.0002/-.0004 +.0005/-.0010	.69 17.5	Cylindrical	See Load-Speed Chart	
BCCYR 1 S								12 305		
BCYR 1 1/8 S	1.125 28.58	+0/-.001 +0/-.03	.625 15.88	+0/-.001 +0/-.03	.313 7.94	+.0002/-.0004 +.0005/-.0010	.69 17.5	Cylindrical	See Load-Speed Chart	
BCCYR 1 1/8 S								12 305		
BCYR 1 1/4 S	1.250 31.75	+0/-.001 +0/-.03	.750 19.05	+0/-.001 +0/-.03	.375 9.53	+.0002/-.0004 +.0005/-.0010	.81 20.6	Cylindrical	See Load-Speed Chart	
BCCYR 1 1/4 S								14 356		
BCYR 1 3/8 S	1.375 34.93	+0/-.001 +0/-.03	.750 19.05	+0/-.001 +0/-.03	.375 9.53	+.0002/-.0004 +.0005/-.0010	.81 20.6	Cylindrical	See Load-Speed Chart	
BCCYR 1 3/8 S								14 356		
BCYR 1 1/2 S	1.500 38.10	+0/-.001 +0/-.03	.875 22.23	+0/-.001 +0/-.03	.438 11.11	+.0002/-.0004 +.0005/-.0010	.94 23.8	Cylindrical	See Load-Speed Chart	
BCCYR 1 1/2 S								20 508		
BCYR 1 5/8 S	1.625 41.28	+0/-.001 +0/-.03	.875 22.23	+0/-.001 +0/-.03	.438 11.11	+.0002/-.0004 +.0005/-.0010	.94 23.8	Cylindrical	See Load-Speed Chart	
BCCYR 1 5/8 S								20 508		
BCYR 1 3/4 S	1.750 44.45	+0/-.001 +0/-.03	1.000 25.40	+0/-.001 +0/-.03	.500 12.70	+.0002/-.0004 +.0005/-.0010	1.06 27.0	Cylindrical	See Load-Speed Chart	
BCCYR 1 3/4 S								20 508		

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

BCYR

Part No. With LUBRI-DISC Seals	HC Hole Center inch mm (Ref)	E Min Boss Diameter inch mm (Ref)	Ro Outer Corner inch mm (Ref)	PF Push Fit Recommended Shaft Diameters inch mm Nom	PFT Push Fit Recommended Shaft Diameters inch mm Tol	PF Drive Fit Recommended Shaft Diameters inch mm Nom	PFT Drive Fit Recommended Shaft Diameters inch mm Tol	PF Press Fit Recommended Shaft Diameters inch mm Nom	PFT Press Fit Recommended Shaft Diameters inch mm Tol	Limiting Speed RPM	WT Bearing Weight lb kg
BCYR 3/4 S	.25 6.4	.61 15.5	.02 .4	.2495 6.337	±.0002 ±.005	.2495 6.337	±.0002 ±.005	.2495 6.337	±.0002 ±.005	See Load-Speed Chart	.06 .03
BCCYR 3/4 S			N/A								
BCYR 7/8 S	.25 6.4	.61 15.5	.02 .4	.2495 6.337	±.0002 ±.005	.2495 6.337	±.0002 ±.005	.2495 6.337	±.0002 ±.005	See Load-Speed Chart	.08 .04
BCCYR 7/8 S			N/A								
BCYR 1 S	.25 6.4	.78 19.8	.03 .8	.3120 7.925	±.0002 ±.005	.3120 7.925	±.0002 ±.005	.3120 7.925	±.0002 ±.005	See Load-Speed Chart	.15 .07
BCCYR 1 S			N/A								
BCYR 1 1/8 S	.25 6.4	.78 19.8	.03 .8	.3120 7.925	±.0002 ±.005	.3120 7.925	±.0002 ±.005	.3120 7.925	±.0002 ±.005	See Load-Speed Chart	.17 .08
BCCYR 1 1/8 S			N/A								
BCYR 1 1/4 S	.31 7.9	.98 25.0	.03 .8	.3745 9.512	±.0002 ±.005	.3745 9.512	±.0002 ±.005	.3745 9.512	±.0002 ±.005	See Load-Speed Chart	.24 .11
BCCYR 1 1/4 S			N/A								
BCYR 1 3/8 S	.31 7.9	.98 25.0	.05 1.2	.3745 9.512	±.0002 ±.005	.3745 9.512	±.0002 ±.005	.3745 9.512	±.0002 ±.005	See Load-Speed Chart	.30 .14
BCCYR 1 3/8 S			N/A								
BCYR 1 1/2 S	.38 9.5	1.09 27.8	.06 1.6	.4370 11.100	±.0002 ±.005	.4370 11.100	±.0002 ±.005	.4370 11.100	±.0002 ±.005	See Load-Speed Chart	.41 .19
BCCYR 1 1/2 S			N/A								
BCYR 1 5/8 S	.38 9.5	1.09 27.8	.06 1.6	.4370 11.100	±.0002 ±.005	.4370 11.100	±.0002 ±.005	.4370 11.100	±.0002 ±.005	See Load-Speed Chart	.50 .23
BCCYR 1 5/8 S			N/A								
BCYR 1 3/4 S	.44 11.1	1.25 31.8	.06 1.6	.4995 12.687	±.0002 ±.005	.4995 12.687	±.0002 ±.005	.4995 12.687	±.0002 ±.005	See Load-Speed Chart	.64 .29
BCCYR 1 3/4 S			N/A								

McGILL® Inch Cam Follower Bearings

Basic Construction Type: Yoke Type Crowned / Cylindrical Outside Diameter

Rolling Elements: Non-Metallic Bushing

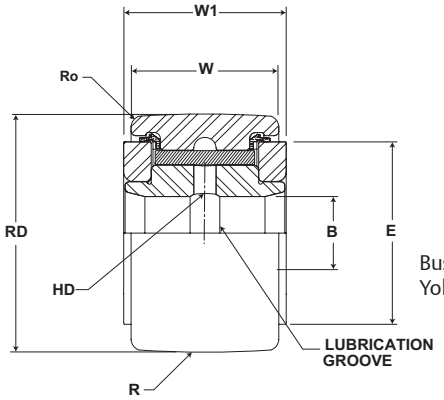
Bearing Material: Bearing Quality Steel

Seal Type: LUBRI-DISC®

Lubrication: None - Self Lubricating Bushing

System Configuration: Concentric / Eccentric / Heavy Stud

Mounting Feature: Slot / Hex Hole



Bushing Cam Yoke Roller

BCYR

Part No.	RD		W		B		W1	R	Track Roller Dynamic Rating	Track Roller Static Rating
With LUBRI-DISC Seals	Roller Diameter		Roller Width		Bore Diameter		Endplate Extension	Crown Prefix BCCYR-XX		
	inch mm		inch mm		inch mm		inch mm		lb/N	lb/N
	Nom.	Tol.	Nom.	Tol.	Nom	Tol	(Ref)	Radius		
BCYR 1 7/8 S	1.875 47.63	+0/-.001 +0/-.03	1.000 25.40	+0/-.001 +0/-.03	.500 12.70	+.0002/-.0004 +.0005/-.0010	1.06 27.0	Cylindrical	See Load-Speed Chart	
BCCYR 1 7/8 S								20 508		
BCYR 2 S	2.000 50.80	+0/-.001 +0/-.03	1.250 31.75	+0/-.001 +0/-.03	.625 15.88	+.0002/-.0004 +.0005/-.0010	1.31 33.3	Cylindrical	See Load-Speed Chart	
BCCYR 2 S								24 610		
BCYR 2 1/4 S	2.250 57.15	+0/-.001 +0/-.03	1.250 31.75	+0/-.001 +0/-.03	.625 15.88	+.0002/-.0004 +.0005/-.0010	1.31 33.3	Cylindrical	See Load-Speed Chart	
BCCYR 2 1/4 S								24 610		
BCYR 2 1/2 S	2.500 63.50	+0/-.001 +0/-.03	1.500 38.10	+0/-.001 +0/-.03	.750 19.05	+.0002/-.0004 +.0005/-.0010	1.56 39.7	Cylindrical	See Load-Speed Chart	
BCCYR 2 1/2 S								30 762		
BCYR 2 3/4 S	2.750 69.85	+0/-.001 +0/-.03	1.500 38.10	+0/-.001 +0/-.03	.750 19.05	+.0002/-.0004 +.0005/-.0010	1.56 39.7	Cylindrical	See Load-Speed Chart	
BCCYR 2 3/4 S								30 762		
BCYR 3 S	3.000 76.20	+0/-.001 +0/-.03	1.750 44.45	+0/-.001 +0/-.03	1.000 25.40	+.0001/-.0005 +.0003/-.0013	1.81 46.0	Cylindrical	See Load-Speed Chart	
BCCYR 3 S								30 762		
BCYR 3 1/4 S	3.250 82.55	+0/-.001 +0/-.03	1.750 44.45	+0/-.001 +0/-.03	1.000 25.40	+.0001/-.0005 +.0003/-.0013	1.81 46.0	Cylindrical	See Load-Speed Chart	
BCCYR 3 1/4 S								30 762		
BCYR 3 1/2 S	3.500 88.90	+0/-.001 +0/-.03	2.000 50.80	+0/-.001 +0/-.03	1.125 28.58	+.0001/-.0005 +.0003/-.0013	2.06 52.4	Cylindrical	See Load-Speed Chart	
BCCYR 3 1/2 S								30 762		
BCYR 4 S	4.000 101.60	+0/-.001 +0/-.03	2.250 57.15	+0/-.001 +0/-.03	1.250 31.75	+.0001/-.0005 +.0003/-.0013	2.06 52.4	Cylindrical	See Load-Speed Chart	
BCCYR 4 S								30 762		

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

BCYR

Part No.	HC	E	Ro	PF	PFT	PF	PFT	PF	PFT	Limiting Speed	WT
With LUBRI-DISC Seals	Hole Center	Min Boss Diameter	Outer Corner	Recommended Shaft Diameters							Bearing Weight
				Push Fit		Drive Fit		Press Fit			
	inch mm		inch mm	inch mm		inch mm		inch mm		RPM	lb kg
	(Ref)	(Ref)	(Ref)	Nom	Tol	Nom	Tol	Nom	Tol		
BCYR 1 7/8 S	.44 11.1	1.25 31.8	.06 1.6	.4995 12.687	±.0002 ±.005	.4995 12.687	±.0002 ±.005	.4995 12.687	±.0002 ±.005	See Load-Speed Chart	.80 .36
BCCYR 1 7/8 S			N/A								
BCYR 2 S	.50 12.7	1.41 35.7	.09 2.4	.6245 15.862	±.0002 ±.005	.6245 15.862	±.0002 ±.005	.6245 15.862	±.0002 ±.005	See Load-Speed Chart	1.05 .48
BCCYR 2 S			N/A								
BCYR 2 1/4 S	.50 12.7	1.41 35.7	.09 2.4	.6245 15.862	±.0002 ±.005	.6245 15.862	±.0002 ±.005	.6245 15.862	±.0002 ±.005	See Load-Speed Chart	1.32 .59
BCCYR 2 1/4 S			N/A								
BCYR 2 1/2 S	.56 14.3	1.69 42.9	.09 2.4	.7495 19.037	±.0002 ±.005	.7495 19.037	±.0002 ±.005	.7495 19.037	±.0002 ±.005	See Load-Speed Chart	1.80 .82
BCCYR 2 1/2 S			N/A								
BCYR 2 3/4 S	.56 14.3	1.69 42.9	.09 2.4	.7495 19.037	±.0002 ±.005	.7495 19.037	±.0002 ±.005	.7495 19.037	±.0002 ±.005	See Load-Speed Chart	2.25 1.02
BCCYR 2 3/4 S			N/A								
BCYR 3 S	.63 15.9	2.13 54.0	.13 3.2	.9994 25.385	±.0002 ±.005	.9994 25.385	±.0002 ±.005	.9994 25.385	±.0002 ±.005	See Load-Speed Chart	3.10 1.41
BCCYR 3 S			N/A								
BCYR 3 1/4 S	.63 15.9	2.13 54.0	.13 3.2	.9994 25.385	±.0002 ±.005	.9994 25.385	±.0002 ±.005	.9994 25.385	±.0002 ±.005	See Load-Speed Chart	3.62 1.64
BCCYR 3 1/4 S			N/A								
BCYR 3 1/2 S	.69 17.5	2.44 61.9	.13 3.2	1.1244 28.560	±.0002 ±.005	1.1244 28.560	±.0002 ±.005	1.1244 28.560	±.0002 ±.005	See Load-Speed Chart	4.95 2.25
BCCYR 3 1/2 S			N/A								
BCYR 4 S	.75 19.1	2.80 71.0	.13 3.2	1.2494 31.735	±.0002 ±.005	1.2494 31.735	±.0002 ±.005	1.2494 31.735	±.0002 ±.005	See Load-Speed Chart	7.05 3.19
BCCYR 4 S			N/A								